

CLAIMS

- [1] A communication module comprising:
- a semiconductor member;
 - a flexible printed circuit board on which said semiconductor member is mounted and to which said semiconductor member is electrically connected;
 - a stem through which said board is inserted and to which said board is then fixed; and
 - a cap so disposed as to cover said semiconductor member.
- [2] The communication module according to Claim 1, wherein the semiconductor member is at least one of a light emitting element, a light receiving element and an integrated circuit.
- [3] The communication module according to Claim 1 or 2, wherein the flexible printed circuit board includes a type of lines selected from among coplanar lines, micro-strip lines, and grounded coplanar lines.
- [4] The communication module according to any one of Claims 1 through 3, wherein a plurality of different flexible printed circuit boards are fixed to the stem.
- [5] The communication module according to any one of Claims 1 through 4, wherein an end of the flexible printed circuit board(s) that protrudes from the stem has a connector that can connect to a subsequent-stage circuit board.
- [6] The communication module according to any one of Claims 1 through 5, wherein the flexible printed circuit board(s) exhibits a bent-shape when in a plane.